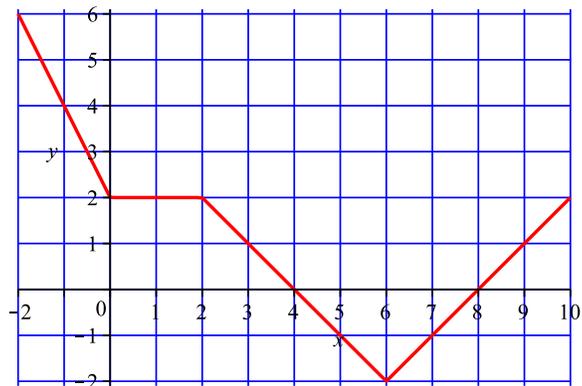


MAT126, Paper Homework 1

1. Let $f(x)$ be given by the function whose graph is shown below.



- (a) Calculate $\int_{-2}^2 f(x) dx$. Justify your answer.

- (b) Calculate $\int_0^8 f(x) dx$. Justify your answer.

2. Evaluate the integral $\int_1^3 \frac{1}{x^2} dx$.